

Plant inspired techniques for dispersion of payloads

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ABSTRACT

This paper presents a few envisioned biomorphic missions for distribution of instruments/biomorphic surface systems (payload) by using ideas inspired from seed dispersal in the plant-world such as dandelions and seed wing pods. These are illustrated in figure s 1, and 2.

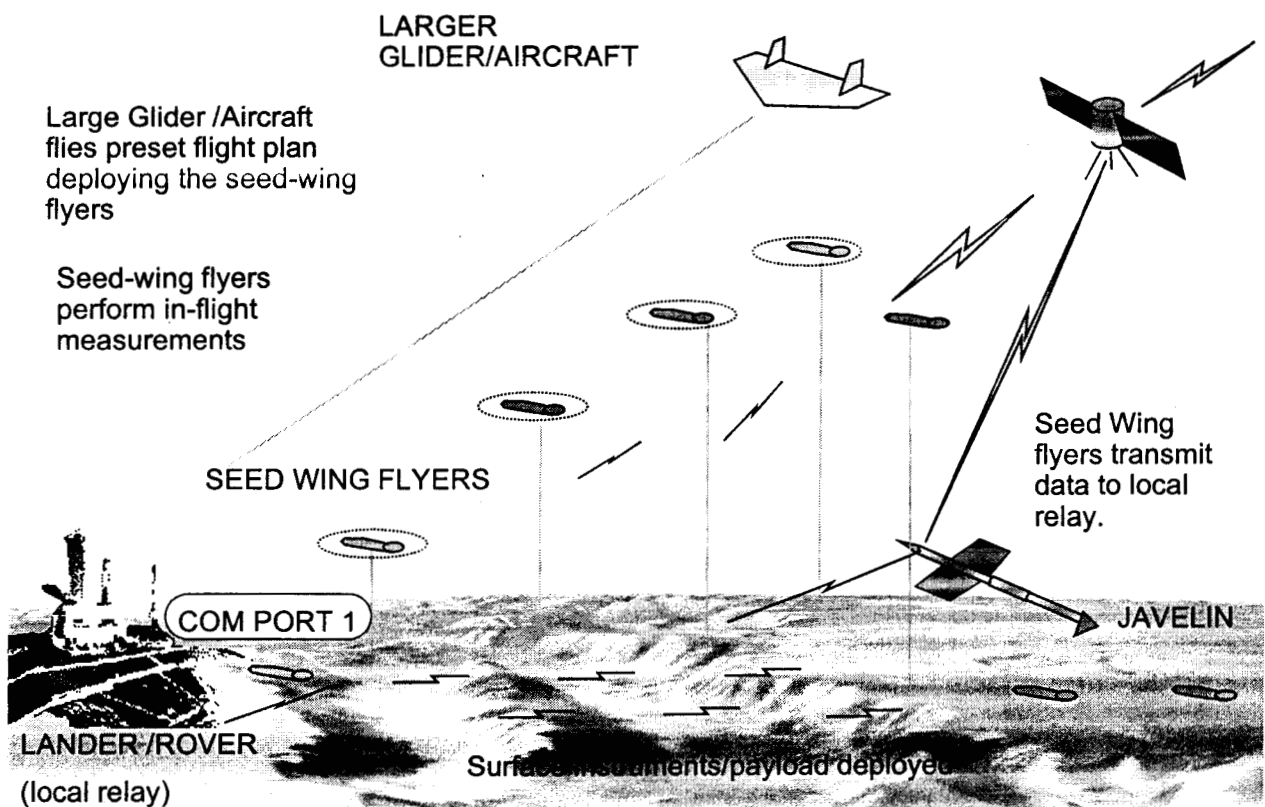


Figure 1. Deployment scenario where the seed wings are aerially deployed by a glider/aircraft

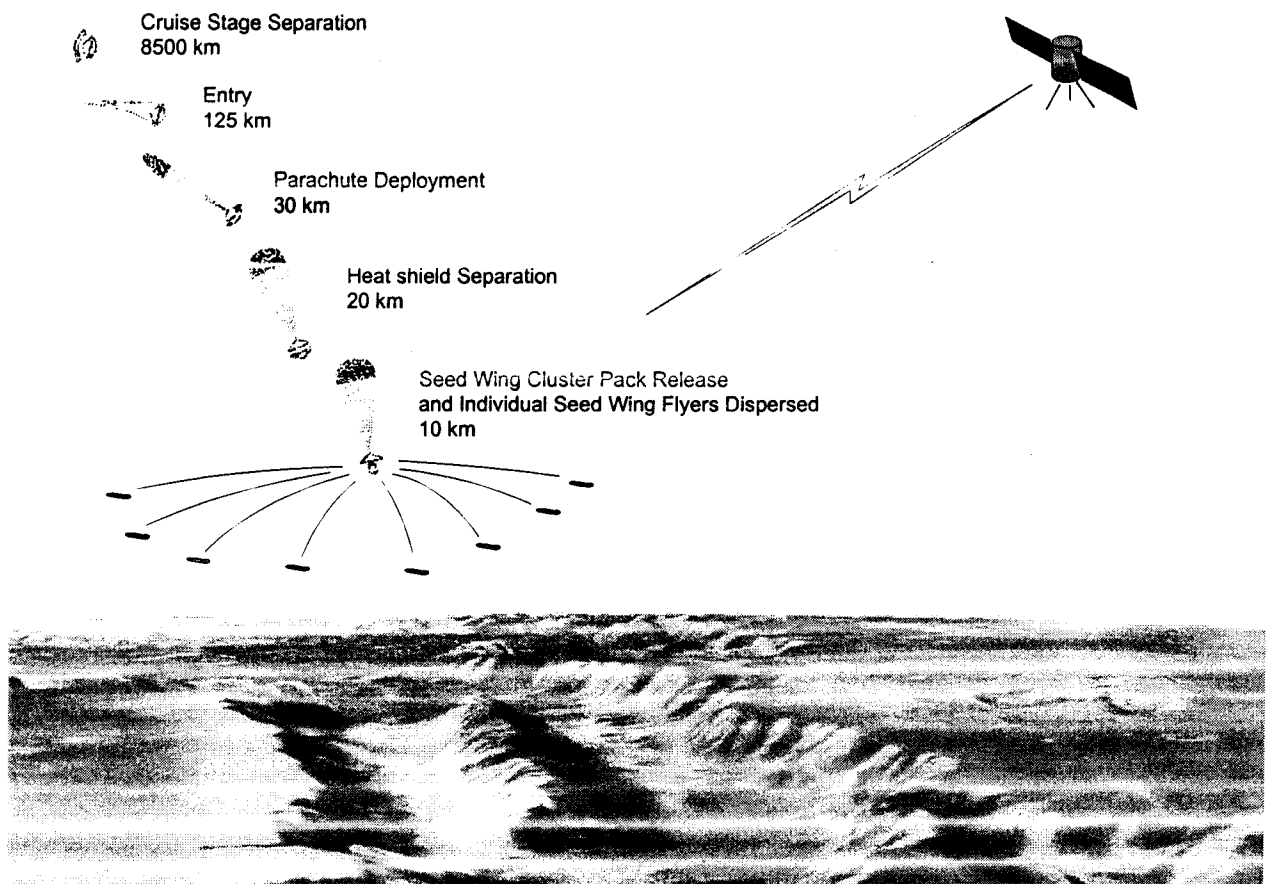


Figure 2. Deployment scenario where the seed wing cluster is aerially deployed directly after initial slow down